

Abstract of the Disclosure

In a speech signal decoding method,
information containing at least a sound source signal,
gain, and filter coefficients is decoded from a received
bit stream. Voiced speech and unvoiced speech of a
5 speech signal are identified using the decoded
information. Smoothing processing based on the decoded
information is performed for at least either one of the
decoded gain and decoded filter coefficients in the
unvoiced speech. The speech signal is decoded by
10 driving a filter having the decoded filter coefficients
by an excitation signal obtained by multiplying the
decoded sound source signal by the decoded gain using
the result of the smoothing processing. A speech signal
decoding apparatus is also disclosed.